

I CLAIM:

1. A torque convertible adapter for driving tools comprising:

a tubular body having a rectangular extension on rear end  
5 connecting to a handle, a circular receiving space in front  
end, a threaded outer periphery, a screw hole centrally form  
in a bottom of said circular receiving space and three pairs  
of circular recesses in different depth spacedly formed around  
the bottom of said circular receiving space, said each pair  
10 of circular recesses being symmetrically arranged;

three pairs of spring means in different length and  
different elasticity respectively engaged within said  
corresponding circular recesses of said tubular body and each  
having a steel ball disposed on outer end thereof;

15 a socket spanner having an enlarged circular rear end  
inserted into the circular receiving space of said tubular body,  
said enlarged circular rear end having six semi-circular  
recesses spacedly formed circumference engaged with said steel  
balls respectively and a through hole in a center thereof  
20 engageable with the screw hole of said tubular body;

a bolt rotatably fastening said socket spanner into the  
circular receiving space of said tubular body through said  
through hole and said screw hole;

a ring pad sleeved onto an outer periphery of said socket  
25 spanner; and

a U-shaped cap engaged with said tubular body having a threaded inner periphery engaged with the threaded outer periphery of said tubular body and a central bore for permitting said socket spanner passing through and protruding  
5 out of said adapter.

2. The torque convertible adapter as recited in claim 1 wherein said socket spanner may be replaced with a shank of a crewdriver and an allen wrench.

3. The torque convertible adapter as recited in claim 1  
10 wherein said pair of circular recesses may be increased in number.

4. A torque convertible adapter for driving tools comprising:

a tubular body having a rectangular extension on rear end  
15 connecting to a handle, a circular receiving space in front end, a thread outer periphery and a plurality of first semi-circular recesses spacedly formed around bottom thereof for respectively disposing a plurality of steel balls;

a socket spanner having an enlarged circular rear end  
20 inserted into the circular receiving space of said tubular body and a hexagonal opening in front end, said enlarged circular rear end having a plurality of second semi-circular recesses spacedly formed around outer bottom engaged with outer portion of said steel balls;

25 a spring means sleeve onto an outer periphery of said socket

spanner; and

a U-shaped cap fastened to outer periphery of said tubular body having a threaded inner periphery engaged with the threaded outer periphery of said tubular body, an annular  
5 shoulder formed in an inner periphery wall for stopping against front end of said spring means and a central bore in front end for permitting said socket spanner passing through and protruding out of said adapter.

5. The torque convertible adapter as recited in claim 4 said  
10 adapter is a non-step torque convertible structure.

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